

APPSTF, DR B R AMBEDKAR KONASEEMA
IX PHYSICAL SCIENCE
SAMP- 4 MODEL PAPER-1

I. Answer the following questions. 4×1=4

1. Number of valence electrons in Cl^- ion are ()
A) 16 B) 8 C) 17 D) 18
2. Maximum number of electrons in L shell ()
A) 2 B) 8 C) 18 D) 32
3. Who discovered neutron ()
A) Rutherford B) chadwick
C) Bohr D) Thomson
4. Valency of each element in the following set is zero ()
A) He, Ne, Ar B) Li, Na, Cl
C) O Mg, S D) B, N, Al

II. Answer the following questions. 2×1=2

5. Define isotope with an example and write any two uses of isotopes?

III. Answer the following questions. 1×4=4

6. Complete the following table.

Atomic Number	Mass Number	Number of Neutrons	Number of Protons	Number of Electrons	Name the Atomic Species
9	--	10	--	--	--
16	32	--	--	--	Sulphur
--	24	--	12	--	--
--	2	--	1	--	--
--	1	0	1	0	--

IV. Answer the following questions. 1×8=8

- 7A. Describe the Bohr's model of the atom with a neat diagram.
(OR)
 - 7B. Compare all proposed models of an atom given in the structure of atom lesson.
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